

Meeting Description: Michigan Geographic Framework Users Meeting

Date: March 6, 2003

Time: 10:00 a.m.

Location: Michigan Center for Geographic Information, George W. Romney Building, 10th Floor, Conference Room

I. Approval of February Meeting Minutes

II. Geographic Framework Program

A. Act 51 Reconciliation Update

Rob Surber, Michigan Center for Geographic Information (CGI), reported that there are a few boundaries in the Upper Peninsula to seam. Maps are being sent out daily to cities and villages. Traditionally they have not seen road measurement on these maps. CGI is getting direct local feedback.

Everett Root, CGI, stated that a representative from Pinckney called this morning and wanted to know what the non-certified roads were all about. They are going to cross off the ones that don't really exist.

Rob Surber, CGI, said that they are getting direct local feedback about unplatted roads that may have been part of the Michigan Resource Information System (MIRIS) or Topologically Integrated Geographic Encoding and Referencing (TIGER) files.

Everett Root, CGI, stated that he has had zero negative feedback.

Rob Surber, CGI, added that Dick Turcott, Michigan Department of Transportation (MDOT), got some comments from small communities that may have lost a quarter mile through this process. Annotation takes a long time to do on these map-based products. The ESRI current version of ArcMap has a few annotation bugs that should be fixed in the next release. The process has been taking longer than expected because of the handwork used to get labels in and positioned correctly. Want to create feature link annotation derived out of the base attributes. CGI has done exploration of Maplex by Lovells John from England, which is a strategic business partner with ESRI. CGI had a meeting with Jason McKinley, Universal Map, to see how Maplex will assist CGI to create feature-based annotation. Universal Map will test maps with Act51 products and see how hard it is to generate the same annotation CGI just did from their standpoint. If they can do it fairly cheaply for the first round, they may be able provide this service to CGI and link to the IDs all the annotations for CGI to use in their future products. Universal Map has 33 people who place labels and text. CGI is committed to providing this service. Two copies of Maplex are \$25,000. If CGI can get a little assistance, CGI may buy an annotation product. The goal is to create various annotation layers for people who use framework and make it scale dependent by theme. CGI feels that it is a service that should come out of framework and CGI wants to be able to use it for the large map products. Michigan Department of Transportation (MDOT) Mapping Graphics may take the annotation CGI generates and do things with it. The generation is a big deal. A map series like Act 51 has few things in it but is time consuming.

Ann VanSlembrouck, SEMCOG, said some member in the SEMCOG region use 'Label Ease' or 'Label Easy'.

Rob Surber, CGI, commented that he has never heard of it and asked Ann to give him information so he could look at it. Users of Michigan Resource Information System (MIRIS) products are used to the cartography features embedded in. It was nice because everything is automated. It doesn't work where you need current roads, but in some places, they are still using it because the road network is not a primary thing of the map. It is the background general

reference and they want to show soil or whatever. Wants framework to be used in those situations. GDT has been peppering a lot of the counties with data requests.

Jeroen Wagendorp, Allegan County, added that GDT first raided the whole state database and they are now finding holes.

Rob Surber, CGI, stated that is the reality of data in general. All of the data is going to the Census Bureau file – TIGER modernization. The service and integration of data between levels of government are the primary reasons of why we are doing this as opposed as to focusing on where it ends up.

Jeroen Wagendorp, Allegan County, commented that he has no problem with that. Obviously the discussion is going to go forward and when it reaches their database. Jeroen tells then that in due course when it does reach their database, it might be correct.

Rob Surber, CGI, commented that the goal is to have the data available in Census TIGER at the state level; hopefully GDT will stop calling locals. This is a benefit of working together. Hopefully tighten down the cycle between lag time of when a road is built and when it is available through TIGER.

Bill Enslin, MSU, asked if there is an update on editing in geo database environment.

Rob Surber, CGI, responded that CGI has a series of tests to go through with the 8.3 product that is not available in 8.2 with topological constraints and rules that go into editor. Pat Cummins, ESRI, said that IMS and SDE are shipping now and the map products are coming out after that. There will be quite a few topological rule-based components. CGI does have tools that ESRI developed for CGI.

B. Digital Ortho Update

Rob Surber, CGI, reported that he has talked Ann VanSlembrouck, SEMCOG, digital ortho plan. Rob has had a discussion with the state agencies and they will want to see numbers and more details.

Ann VanSlembrouck, SEMCOG, stated that she is working with about 10 vendors to set up conference calls to gather information about what technology they would use and a ballpark figure for black and white versus color.

Rob Surber, CGI, stated that the goal is that the state plans to do a complete statewide flight but will piggyback and cost share with the efforts if possible.

Jeroen Wagendorp, Allegan County, called to see what it would cost to do statewide Lidar and it was \$80 per acre – which is \$500 per square mile. Can do 12 inch ortho with pretty good surface control for half that. Lidar is not good until there is a good ortho under it to clean it up. It would be \$50M statewide and can do 12-inch pixels for \$25M. Can get a reduction if done statewide.

Rob Surber, CGI, added that the state agencies are interested.

Ann VanSlembrouck, SEMCOG, stated that they are doing conference calls on March 21.

Rob Surber, CGI, commented that the state agencies know what they were paying for a comparable region with the United States Geological Survey (USGS) map flight and can go from there as a starting point

John Esch, MDEQ, stated that often the corners don't match up. He understands that there is a plan to make mosaics to resolve the problem. John has a site project that is on the corner of 4 digital ortho quarter quads (DOQQs). When they are downloaded and displayed the overlap features don't match up. One is 1998 Series and one is 1992 Series.

Everett Root, CGI, clarified that they don't always line up from year to year because they were created within a certain specification at each given time. When the 1998s are available they will probably match, but different vendors did the work on different blocks.

Rob Surber, CGI, asked John to note glaring problems and CGI will make notes of them. CGI has sent back problems in Wexford County, but USGS already knew about them.

C. Framework Pilot Partnerships Update

Rob Surber, CGI, reported that Rayan Ray, CGI, has been doing presentations around the state to clerk groups on the Allegan/Barry County model and CGI is getting positive response. CGI is setting up a pilot project how to internally migrate framework editor engine with this process. The goal is to look at different types of communities that are providing everything through a geographic information systems (GIS) product. Some communities don't have a GIS product. CGI is looking at how long it takes to receive information. There is a new development with the partnerships to provide local material into framework and that is with the Upper Peninsula (UP) 9-1-1 Central Dispatch for the State Police. Talked with the lieutenant up there and talked with Liz Brown who will be the key point person in this operationalizing the mapping in their whole central dispatch system. They need a complete map with hydro, rail and everything – with house locations or at least driveway locations in the 15 counties in the UP. The plan is that each local unit of government or their agent (in some cases it is CUPPAD) has or contracts to drive every year depending on the county.

Everett Root, CGI, added that CUPPAD is using Global Positioning Systems (GPS) on roads and where driveways and roads intersect.

Rob Surber, CGI, commented that the goal is to establish on-going maintenance to support their 9-1-1 dispatch. They want a set of standards that will go into framework and Liz will import into their system on a regular basis and it will go right into the State Police system.

Jeroen Wagendorp, Allegan County, stated that Cass County is doing it that way and Allegan County is looking at doing it the same way. When there are 5-year intervals for photography and platting has occurred for new subdivisions and when a second house gets built on a driveway and then it becomes a private lane, complications set in. There are not enough systems available to guarantee a 100% capture.

Rob Surber, CGI, added that the UP database is bad for a large percentage of people. There are 2-tracks from the 50's that are not there any more. This will all be captured now. Meetings with the Michigan State Police (MSP), communities, and system vendors so there will be common standards that CGI will participate with and be sure that it comes back on a flow basis. Rob attended a meeting regarding Critical Infrastructure Protection Initiative (CIPI) and a high level DIT/MSP official indicated that there are a lot of central dispatch problems in the metro and urban areas where they are using on E-Tak (now Navtech) map base. There are other central dispatch systems that the MSP are using that if the vendor can incorporate some of the framework update mechanisms MSP can benefit. Now there are a lot of incidents where roads are not there and they are frustrated by it. Rob did learn that in the UP each region has its own budget and independently contract their own vendor. This has been a good exercise for sharing knowledge. MSP is out of Marquette County but have jurisdiction for most of the Upper Peninsula. Liz is setting up meeting talk through standards and information flow - CGI plans to attend.

Jeroen Wagendorp, Allegan County, asked what CAD software they use.

Rob Surber, CGI, responded that Liz is sending the specs on their software from Plant.

Jeroen Wagendorp, Allegan County, commented that there is a very diverse landscape in terms of deliveries.

Rob Surber, CGI, added that they will be an end-user of the data and they just want to upload current information on a regular basis into that system. Michigan Department of Environmental Quality (MDEQ), Michigan Department of Natural Resources (MDNR), conservation officers are another program that should be using a better base map when doing their business. More up-to-date 2-track features would be very useful in the forest areas.

D. National Hydrology Database (NHD) Update

Rob Surber, CGI, reported that there is no news on the grant application. The latest NHD high-resolution information from MDNR Institute of Fisheries Research has gone to United States Geological Survey (USGS) for final checking. There are two basins being looked at - Pierre Marquette White and Carp Pine in northern lower and they are currently working on the Ausable and will soon begin work on the Waika. The Menomonee sub-basin, CGI worked with the Wisconsin and United States Forest Service (USFS) groups, will be available soon on the NHD web site. They are working on 13 watersheds in Michigan to create high-resolution NHD on framework line work. The Drain Association winter conference was last week. The room was packed and Rob got a feel for who is doing GIS. A lot of drain offices are doing GIS work. Rob presented the NHD concept, the framework, and the framework network concept of partnering. After his presentation, about 30 people wanted Rob's business card and want to get with Rob about providing information, being a source of information in the state base map. Clinton County drain commissioner said they will give CGI 1-500 foot complete GIS network already categorized. The group as a whole received Rob's presentation very well. The NHD completes the linear water flow network. CGI did a test comparing the current linear hydro framework network to what the Gratiot County drain office had done through Spicer. There were 328 more miles of drain network than CGI would have had from Michigan Resource Information System (MIRIS) or the topographic map digitizing. That is significant - will have good flow of information, names, active/not active, tiled. Next step from here remains to be decided.

Jeroen Wagendorp, Allegan County, commented that he is interested in which 30 that showed interest are from. Are they counties that own a GIS software package or they lone rangers in their county being single source driving point? Is it complementary to existing stuff or are they doing stuff because they are out on their own and they make up the other 30 besides the 52 counties that Jeroen knows about who are doing stuff - therefore there may be statewide coverage.

Rob Surber, CGI, agrees and said that interest came from variety of different directions. Some said they had data that they could send CGI, but Rob doesn't know if they are the only game in town. Rob mention in the presentation that the hydro network is only one component needed for the drain business process - also need parcel maps, elevation maps, drainage district boundaries, etc.

Jeroen Wagendorp, Allegan County, commented that they have a unique taxing authority. There are 4½ million parcels statewide and every parcel has a watershed, therefore a drainage assessment district could be set up. Given these financial times, if this crowd got on board they could afford things that would not be able to afford otherwise.

Rob Surber, CGI, added that he had an MDOT representative, who is responsible for the entire drainage assessment issue with MDOT and the drain commissioners. The MDOT rep came up to Rob later and said that he would work with the drain commissioners to do this statewide from the drainage network standpoint. He talked with authority and said that this needed to be done. The MDOT rep said they should work with Drain Association and cost share it and work on a plan. He will call Rob.

Joyce Newell, MDOT, commented that her understanding is that he would have authority with at least the 50 counties who assess MDOT for money, because the counties are required to provide information to get money. There are about 30 counties that have not established any assessment.

Rob Surber, CGI, said that he does not have a lot of information. The MDOT rep seemed to be on track or something and Rob did not have time to go into detail. The MDOT rep seemed

very interested because they have to constantly look at the road network updates related to the drain network.

E. Rail Update

Rob Surber, CGI, reported the group was kicked off again yesterday for rail mapping and database issues. The plan is to update the framework rail network in phases. Rob displayed the official rail map produced by the state. Active and inactive is the status that will be indicated. CGI is getting the digital file of rail map base. One proposal is to start tagging active/inactive and official name, ownership, operator name, and some other potential name that might be different from owner or operator (Grand Trunk is a recognized name but not either the owner or operator).

Joyce Newell, MDOT, added that they also use mileposts and have to have division name.

Rob Surber, CGI, commented that CGI is just now starting the process of tagging framework. The ultimate goal is to have linear referencing on the rail, but will probably be after they have a good attribute posting with the active/inactive. There are quite a few that came from the original topo maps from 1930s. If CGI can establish a base year, they will archive for historical purposes some of the rail. The user group wants to establish a base year where if the rails are pulled, and no right-of-way exits – then the features would be archived.

Joyce Newell, MDOT, stated that MDOT would like to look at the inactive rail lines and tag those that will potentially be used for trails.

Ann VanSlembrouck, MDOT, asked about intersection data and signal type.

Rob Surber, CGI, responded that there is National Inventory (NI) number for every rail crossing in the state. There is a lot of data that goes with the rail crossings. The database is in a DROADS system at MDOT. The idea would be to post NI numbers at road intersections. There is also rail intersection information – switches etc.

Joyce Newell, MDOT, added that they had to determine what information is important for the state to collect. They discussed rail bridges where they cross roads and perhaps Homeland Security, MDNR, or MDEQ may want to know. The easiest way to get the information is to see where tracks go and if there is a river underneath, there must be a bridge.

Rob Surber, CGI, stated that there is going to be a broad rail community – certainly at MDOT. The plan is to bring in MDNR and other groups that have an interest in rail to provide direction for the standards the programmatic implementation of this data into the framework. The goal is to set lines of data management responsibility for what framework manages and what the agencies manage. Hopeful that a lot of that management will reside at MDOT and CGI will manage just the identification numbers.

Valdez Kalnins, Allegan County, stated the whole layer would be managed, updated, and maintained at the state level.

Rob Surber, CGI, clarified that MDOT does own rail and they would be the point contact for that. For a centerline standpoint may be able to store it in attributes.

Jeroen Wagendorp, Allegan County, stated that they are more interested in what kind of stuff is being transported by rail from emergency management point of view. There have been situations where there has been a ½ mile long train and the fire department can't get to the other side of town.

Rob Surber, CGI, added that the Michigan State Police have those issues as well. There is data whether it passenger rail and information about time.

Joyce Newell, MDOT, commented that it is a private ownership mode of transportation.

Jeroen Wagendorp, Allegan County, said that in their area they have one that is shared ownership by Amtrak and CSX. Can think of all sort of awful scenarios.

Joyce Newell, MDOT, added that they talked about the spurs and switchyards and they don't have good data on that. MDOT doesn't necessarily need it unless interfaces with roads. MDOT

may look for local input to determine which tracks really are there. Don't have good method to get information but locals may be concerned about spurs that service their industries. MDOT's concern is where they cross public roads and private roads can be a point of interest. When we get past the mainline data, MDOT may ask local input to see what else is out there. For now leaving yards and spurs in for now, if not right it is as bad as taking them all out.

F. Critical Infrastructure Protection Initiative (CIPI) Update

Rob Surber, CGI, reported that CGI met with the lead Open GIS Consortium's (OGC) representative and Tom Evans, Michigan State Police (MSP) representative to talk about data to support this demonstration scheduled for March 27 at Wayne State University. It will demonstrate geospatial capabilities for public safety, emergency management, and Homeland Security at the Detroit/Windsor border. Savings lives and protecting property with interoperable web GIS data sharing and data integration an advance concept for instant management and response. The federal government, Canadian government, and Wayne County are involved. Rob called the Michigan Intelligent Transportation Systems group in the metro area that has cameras, which might be an important data set. OGC is looking at plume analysis capability software in case of explosion, wind direction, wind speed, etc. There are a lot of different components to show how geospatial technology can work in this situation where there are multi-levels of governments sharing data. The idea is that we do not have to create new information it just puts OGC connectors the systems and allows sharing open software products. It is designed partly with certain rights and privileges imbedded depending on roles. If interested in more information, contact Rob at (517)373-7910.

G. Land Use Commission

Rob Surber, CGI, reported that an Executive Order was released February 27 and Michigan Land Use Leadership Council was created. It has 26 or so members in this bi-partisan commission with former Governor Milliken and former Attorney General Kelley as part of the leadership. The MDEQ director will be leading this effort and staff will be assigned from MDEQ, MDOT, MDNR, Michigan Department of Agriculture (MDOA) and a few others. A final report and recommendations and any proposed legislation is due on August 15, 2003.

Jeroen Wagendorp, Allegan County, stated this is the equivalent to Governor Engler's report generated 6 years ago. It also took 3 years to create. He would be surprised if the recommendations will be substantially different, except for the benefit of evolving technology.

Rob Surber, CGI, stated that he hopes that this will be brought to the table. One of their charges is to find what existing work has been done and bring that to the table. This could have a significant impact on local, state, federal units of government.

Ann VanSlembrouck, SEMCOG, stated that Jim Rogers, SEMCOG, is working on a forecast to 2020, 2030. SEMCOG is not done with the land use update, but have taken what been done to this point and has done analysis for 1990 and 2000. SEMCOG will be represented.

Rob Surber, CGI, added they are looking at public information and training, technical assistance, incentives and techniques for doing this. They are trying to do this a bi-partisan way.

Jeroen Wagendorp, Allegan County, commented that the spillover could be significant

Rob Surber, CGI, agreed because it affects all levels of government. Don't know what this is actually ending up being.

Jeroen Wagendorp, Allegan County, stated that having read the old model it is GIS driven. Has the IT data link inventory to a spatial expression.

Rob Surber, CGI, commented that one of the important things that it is not just data collection how that data is used and the models and algorithms that go with it. It is obvious that we need good data to meet certain standards. But it doesn't stop there. The modeling of that is important.

Jeroen Wagendorp, Allegan County, stated that they will run into old roadblocks.

Rob Surber, CGI, added that there is a wide spectrum of people there –business community, agriculture and environmental groups, land use associations, and public sector consultations.

III. Michigan Department of Natural Resources (MDRN) Projects and Activities

Nobody in attendance.

IV. Michigan Department of Transportation (MDOT) Projects and Activities

Joyce Newell, MDOT, nothing new to report.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities

John Esch, MDEQ, thanked CGI for setting up the Rockford plat map agreement. The DOQ server and MSU's Map Image Viewer are issues – need to know what it can and cannot do. How many people have made the upgrade from ArcView 3X to ArcGIS.

Rob Surber, CGI, responded that CGI uses both depending on the application or task.

Everett Root, CGI, commented that ArcView GIS 8 is installed in our office but not used yet. CGI uses ArcView minimally.

Ann VanSlembrouck, SEMCOG, added SEMCOG uses both as well. Eventually they will phase in the 3.2. But there a lot of projects built in it; there is no sense to trying to rebuild the whole project. If somebody just wants a map, just open the old project.

John Esch, MDEQ, asked ArcMap and ArcToolBox knows that ArcView Version 3.2 they didn't have the Michigan parameters in the system correctly, but they have correct in 8.2.

Everett Root, CGI, added that they don't have it correct in 8.2 or 8.3. It should be correct in Version 9. CGI created their own projection file. Everett will send the CGI projection file to MDEQ.

John Esch, MDEQ, commented that on MDNR spatial data library had more object layers as far as geology. Are there any plans to putting that on the CGI website.

Rob Surber, CGI, said that he will check status with Dave Forstat.

VI. Michigan State Police (MSP) Projects and Activities

Eric Nischan, MDOT, reported that he attended a Federal Emergency Management Agency (FEMA) Flood Plain Insurance Rate Map digital map improvement seminar. If anybody has questions, feel free to ask.

Rob Surber, CGI, commented that the FEMA money is still being held up because not every state is able to support GIS at the state level. They are afraid it will be a case of the Haves and Have Nots. It would not be used consistently across the county. Also MDEQ type representatives, the flood plane manager types, are short staffed and there is not a lot of expertise. There is talk of having a national firm and that thought is not going over well. If it breaks free, then there will be county level participation as well as state level.

Jeroen Wagendorp, Allegan County, added that there is several hundred million dollars for each state would give statewide 2-foot coverage. The FEMA office in Chicago told Jeroen that they were going to go after Michigan in a unique way because of the local control issue. They are going to use building code statutes. If building in a flood plain, can hold up state issued building permits to any local jurisdiction. If this were presented to County Commission and the pro-planning types would dig in their heels - too hot politically. When Jeroen asked about light detection and ranging system (lidar) and wanted to get at least at or below the FEMA 4-foot contra specs, it was still 80 cents an acre. Depending how this would be used politically it might not fly, but if there is a hundred million available. Is there a positive role of landing the money for a specific application that has wide spread benefit.

Eric Nischan, MSP, responded that Homeland Security was just formed last Monday. They are still dealing with a lot of these issues. The money will come at some point. They are trying to make Homeland Security as a single point of contact.

Rob Surber, CGI, added that the discussion is at the federal level now – in congress and how it is going to be used. That would probably have impact if could get congressional delegation from Michigan. They should not be a concern for Michigan – we can deal with their concerns through coordination and participation with local input and state partnering we can get the job done.

VII. Michigan State Industries (MSI) Projects and Activities

Charles Bender, MSI/GIS, reported that they will finish Act 51 Part 2 in 2-3 weeks. They have 4 counties that they are currently working on. They broke Wayne County into 4 sections and they are working the first part of it. They have 6 smaller counties pending and are anticipating 2-3 weeks to finish them. Then will coordinate with MDOT to continue the ‘As Built’ program. When there were 2 lakes to create geo references for, they did poly line to show contours and MDOT has since requested polygons so that they could use in other areas as well.

Rob Surber, CGI, asked what percentage of the state’s lakes has the bathometric maps.

John Esch, MDEQ, commented that this is for 1/5 of Michigan lakes. There are about 10,000 lakes in the state so about 2,000 have them. On a deep lake it might be 5 feet. On a shallow lake it could be a foot.

Rob Surber, CGI, added that having digital bathometric maps would be useful.

Jeroen Wagendorp, Allegan County, commented that was based on data 30-40 years ago – it is data is out-of-date.

Rob Surber, CGI, stated that it is being used now and it is not in digital form.

Jeroen Wagendorp, Allegan County, asked if this is being served on the CGI data server.

Everett Root, CGI, answered that the idea is to make a digital pilot.

Rob Surber, CGI, added that one of the applications that would use that input is the boating IMS application.

Charles Bender, MSI, commented that they could check to see draft of their boats and then could pilot them in that area.

Rob Surber, CGI, stated that there would have to be disclaimers with the dates, but this is a start.

John Esch, MDEQ, commented that there is an issue of accuracy of lake studies. MDNR and MDEQ are amazed at how accurate the data is. But for John’s lake the bathymetry was inaccurate.

Charles Bender, MSI/GIS, stated that MSI can vouch for the accuracy of the information they create based on accuracy of data they receive. MSI spends on the average of 15-30 minutes per lake. It will be 6 months to a year tops to finish. They are interviewing candidates for the GIS training program at their facility.

John Esch, MDEQ, asked if it will include bottom type.

Charles Bender, MSI/GIS, responded yes those are some of the qualifiers that they were asked to put into it as well as vegetation, lake bottom and contours. If the depth of the lake is provided and is requested MSI will add it.

Rob Surber, CGI, added that the Institute of Fisheries Research (IFR) is pushing this effort and probably would want that. Suggested that Charles touch base with Lidia, IFR, since they are the ones who will manage the contract.

Jeroen Wagendorp, Allegan County, asked if this is the stuff that MUCC used to publish in the late ‘70s.

Rob Surber, CGI, stated originally it was MDNR and then MUCC took it over. Rob believes this is back in MDNR's hands. This data will be available to all.

Joyce Newell, MDOT, commented that MDOT may be talking to MSI about potential drain program. Some counties do not have electronic files of their drain maps. MDOT wants it to be electronic.

Bill Enslin, MSU, said that there is interpolation to do and assumes that it is being matched to framework boundaries.

Charles Bender, MSI, responded that receive either TIF files to use as references and they can either use AutoCAD to create the initial boundaries or ArcMap.

Bill Enslin, MSU, asked why not use framework file and adjust the bathymetry to the borders. You may have to adjust or clip and there will be some decisions if would be compatible with the framework.

Rob Surber, CGI, stated that IFR is using framework. However the specifications are written, is how it will have to done. Rob will give Lidia a call.

Valdis Kalnins, Allegan County, stated that we may run into problems with the framework if boundaries don't match actual boundaries.

John Esch, MDEQ, commented that it would be that type of dataset. People say that in 1954 when they cut through the ice layer and that is what the lake was at that time and the compare to what it is now.

VIII. CGI Projects and Activities

A. State Data Center Transfer

Rob Surber, CGI, reported that the State Data Center (SDC), which handles the distribution of census data, has been migrated to History, Arts, and Library (HAL). HAL is now the lead agency. The CGI office is going to assist them in the transition period and CGI is going to provide the mapping service for them. HAL hired a new person to run the program and Ken Darga, Michigan State Demographer, went over with the program. There is another assistant position that they will hire for. The SDC has changed significantly with the onset of the Internet and how the information is distributed through census. So they believe that they will be able to meet the needs. A lot of GIS related and TIGER modernization issues will still come out of the CGI office. Framework census data site will be maintained by CGI and any custom mapping and plotting.

Gordon Rector, U.S. Bureau of the Census, stated that he met with a lady and she said they will hire someone to be the hands-on-person.

Bill Enslin, MSU, added that HAL is investigating user needs analysis of GIS data.

Kathleen Weessies, MSU Map Library, asked what happened to Map Michigan.

Rob Surber, CGI, responded that it is up and running but has not been officially been released. CGI is trying to work out release dates and CGI will put it on GIS listserv. There will also be a press release.

IX. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslin, MSU, reported that they recently worked with CGI and MDNR to get statewide digital raster mosaic (DRG) topo mosaic into Spatial Database Engine (SDE). Two days ago moved it over to installation at MSU. They are working on the digital ortho quad (DOQ) mosaicing. Bill distributed a DOQ County Mosaic Status Map. The bulk of the Lower Peninsula is done and they have most of the other images in-house. They are taking the individual digital ortho quarter quads (DOQQ) and creating county mosaics. The bulk of them have been transferred to CGI. MSU is accelerated the processing. Once complete, will be a mix of 1992 black and white and color. Sherm Hollander, MDNR, has started providing 1998 color

infrared where MSU doesn't have them. Bill worked with Jeroen Wagendorp, Allegan County, to get framework data into townships and will cut the rest next week - Jeroen Wagendorp provided local data sets. Jeroen presented information at the Michigan Township Association.

Jeroen Wagendorp, Allegan County, stated that at the end of March this phase of operation will shut down because of budget issues. MiCAMP's perspective is that this is a vehicle to get framework into the users hands.

Charles Bender, MSI, asked about the white counties on the map.

Bill Enslin, MSU, responded that nothing has been assembled for these counties.

Jeroen Wagendorp, Allegan County, stated that the current color infrared is downloadable from the CGI web site. Asked if they will be replaced with color balance.

Bill Enslin, MSU, responded that it is an issue for CGI to address.

Everett Root, CGI, said that CGI just put DOQQs up there.

Jeroen Wagendorp, Allegan County, commented that some people have the mind-set that the county boundary is holy, but Jeroen likes to go the extra mile to surrounding territory because he can bring in five counties of orthos and clip them.

Bill Enslin, MSU, stated that an issue came up with Kalamazoo County Health Department. They installed it on their server and they want to do the same thing. They may have the option if they want to clip to county boundaries. The purpose of the CD is only to get it out right now. MSU is continuing development on the viewer and soil look-up tables. It is driven by farm applications. There are some GIS functionality to create linear area buffers, modifying tools, and suitability tables. There is an upcoming conference on environment. The shape file has set of related tables. The CGI site might only have half of soils available. Forty-five counties in the state have soils now. When talking about tables there are 3-4 different standards. There are DBF tables for SSURGO 1, access database for SSURGO 2, MDEQ counties, and a set of independent ones.

X. County / Local Projects and Activities

Jeroen Wagendorp, Allegan County, reported that the Allegan County soil survey is out of print. They scanned it in and it is now available on CD in PDF and can do a search. The photos are not high quality.

XI. Regional Projects and Activities

Ann VanSlembrouck, SEMCOG, reported that they are working on census 2000 blocks and the land use update. Asked when Woodward was readdressed and is framework readdressed.

Everett Root, CGI, responded that it is not.

Ann VanSlembrouck, SEMCOG, stated that they are geocoding employment data and not sure if it is accurate.

Gordon Rector, US Census Bureau, thinks that TIGER is corrected.

Ann VanSlembrouck, SEMCOG, stated she will compare to TIGER.

Abbi Mueller, WMRPC, reported that funding was approved for the Allegan County shoreline. They are working on hazardous mitigation for Montcalm County.

Jeroen Wagendorp, Allegan County, asked what is going on with the shoreline.

Abbi Mueller, WMRPC, responded that it is land use data, not shoreline environmental data.

Jeroen Wagendorp, Allegan County, stated that the whole shoreline was beat to death by the Army Corps of Engineers. The Corps did the 1998 color photos. They hired a person to do land use so it is done and it is a good starting point.

Ann VanSlembrouck, SEMCOG, commented that the Corps has it. She will call them - have Allegan County plan

XII. Federal Projects and Activities

Gordon Rector, Census Bureau, reported that they got 20+ counties (bottom 3 tiers) from CGI. They have gone to census headquarters to pass onto the Harris Corporation to reposition TIGER. This year they are doing 74 counties. Trying to get TIGER within 5-meter accuracy. The feds are hoping to see the first of the files in August. They are updating city boundaries. Framework is as good or better than TIGER.

Everett Root, CGI, stated that Randy Fusaro called with questions about hydro and rail. Little has been done in those 22 counties. The background information came from Michigan Resource Information System (MIRIS) and from hydro.

Gordon Rector, Census Bureau, commented that edge matching is often a problem.

Jeroen Wagendorp, Allegan County, asked if the census files in TIGER are 1:100.

Gordon Rector, Census Bureau, yes - next time the standard will be within 5 meter accuracy.

Rob Surber, CGI, stated that CGI is 3 meters accuracy. Hydro will be one theme. Important point is the transfer of ids for ongoing data sharing. We need to keep pestering the process for standardization.

Gordon Rector, Census Bureau, said that this was agreed upon but went by the wayside.

XIV. Next Meeting Date

April 3, 2003, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48913